

$$1798 - 1660 = 138$$

$$1660 - 1500 = 160$$

$$160/298 = 0.54$$

If the road segment is 100 meters long

$$100*0.54 = 54$$
 meters



The GIS analyst immediately begins to digitize all Visible features in the park so that ground teams, running Hand held GIS/GPS units can determine areas of vulnerability

Trees digitized as points



Zoom in



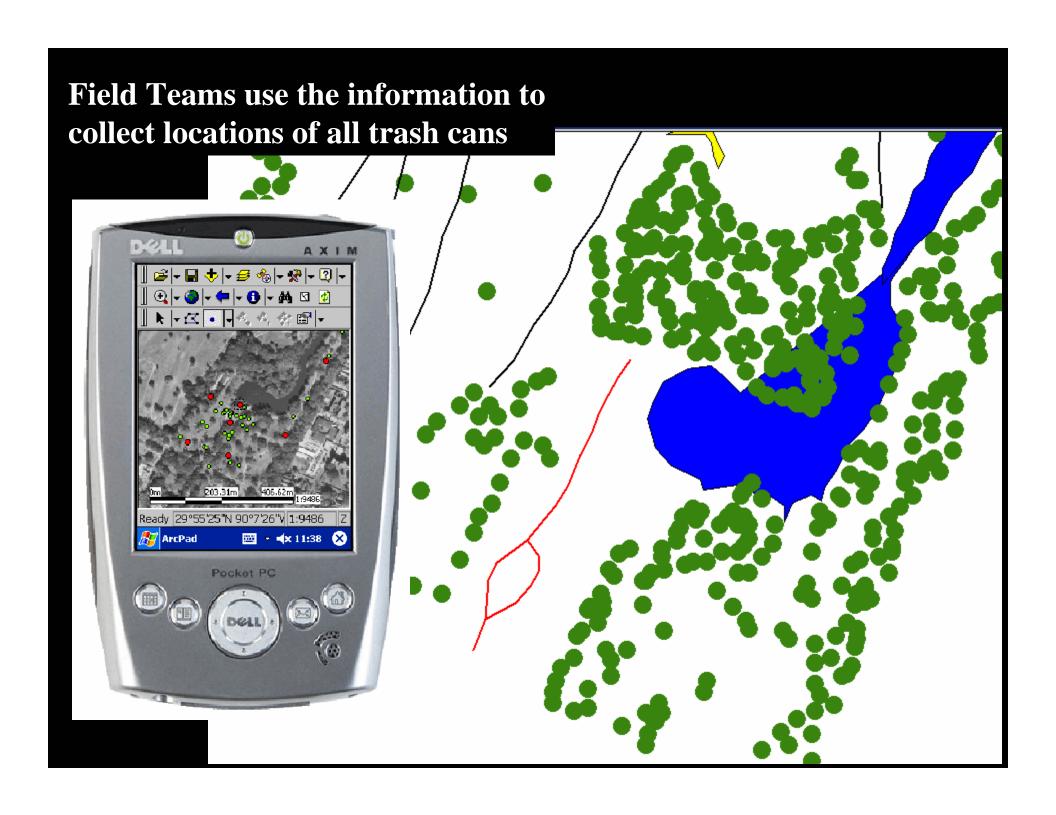
Adding other features (paths and water)



Putting it all together











How many people are vulnerable If the explosion occurred in this trash can?

Need Political Boundaries and Census Data

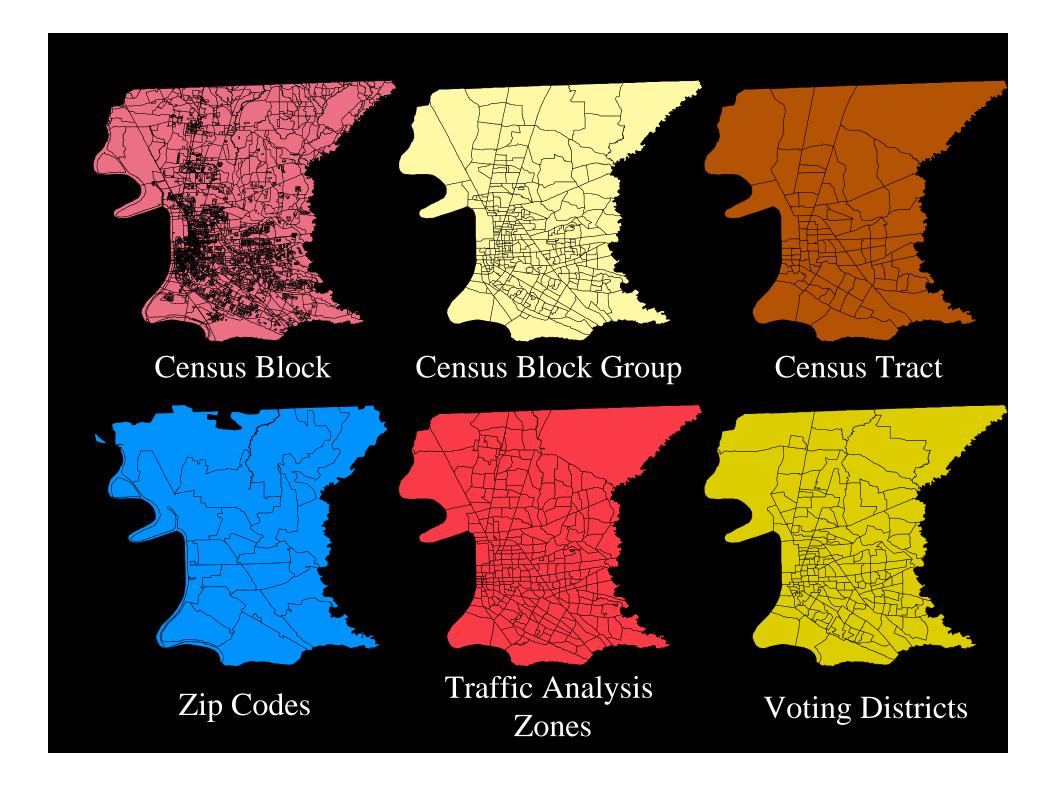
Zip Codes Census Tracts Census Block Groups Census Blocks



These are useful for finding vulnerable populations

Beware!

The The Boundary You Chose Can Change the Pattern of Risk



Socioeconomic Data is often available for Census Units of Space

Another way to get information about vulnerable populations is to Use a spatial sample

Detailed Data about a subpopulation, in this case single mothers with Young children in the home is collected

These data are joined to boundary files by a point-in-polygon Procedure

Risk maps can then be generated, but notice how the patterns vary according to the spatial aggregation used.....

